

RE-MAPPING AND INTERLEAVING TRANSPORT PACKETS  
OF MULTIPLE TRANSPORT STREAMS FOR PROCESSING  
BY A SINGLE TRANSPORT DEMULTIPLEXOR

Abstract of the Disclosure

5        Method, system and computer products are provided for re-mapping and interleaving transport packets of multiple transport streams for processing by a single transport demultiplexor. The re-mapping and interleaving technique ensures unique identification of transport packets  
10      associated with multiple transport streams to be multiplexed onto a transport channel for demultiplexing by a single transport demultiplexor. At least one PID re-map table is employed having re-map values indexed by n possible PID values of transport packets associated with at one transport stream of the multiple transport streams. The n possible PID values is less than or equal to the number of PID values which can be handled by the single transport demultiplexor, and is less than all possible PID values of transport packets within the multiple transport streams. The PID  
15      values of transport packets within at least one transport stream are compared with the n possible PID values of the PID re-map table, and when a match is found, the table is indexed using the matching entry and a re-map value is generated therefrom. The re-map value replaces the original  
20      PID value within the transport packet to be forwarded for interleaving.  
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